

FCC LTE Band Test Data

Company: : SHENZHEN JUSHI KECHUANG TECHNOLOGY CO., LTD

EUT : GPS Tracker

FCC ID : 2BBEJ-Q5

Model Number : Q5

Sample Number : CTA230508001-1# (Engineer sample),

Tested By : Shenzhen CTA Testing Technology Co., Ltd.

Reviewed By : Eric Wang

Appendix B: Peak-to-Average Ratio(CCDF)

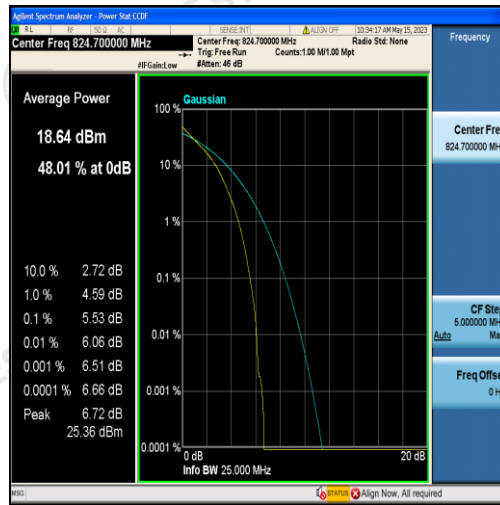
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.53	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	7.33	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.58	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	7.38	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	6.61	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.69	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.62	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	7.84	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.73	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	7.61	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.27	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	8.10	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.49	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	7.18	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.79	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	7.31	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.61	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	7.37	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.55	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	7.61	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.56	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	7.13	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.41	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.21	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.21	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.96	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.34	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.12	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.74	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.40	13	PASS

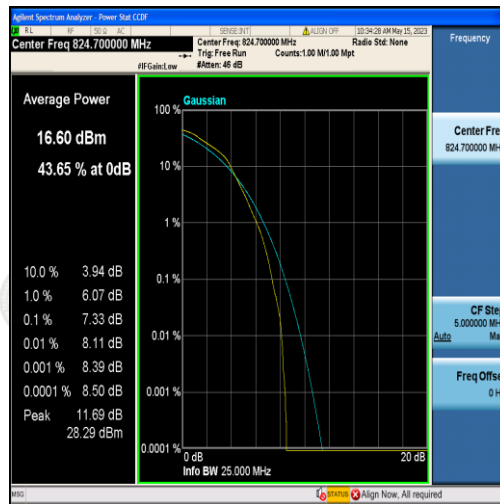
Band38	10MHz	QPSK	37800	50RB#0	5.21	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.04	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.36	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.12	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.70	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.50	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.51	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.17	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.67	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.30	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.94	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.54	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.40	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.16	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.54	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.28	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.66	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.39	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.20	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.05	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.31	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.04	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.37	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.08	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.17	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.00	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.26	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.03	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.25	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.04	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.51	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.14	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.61	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.17	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.48	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.16	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.40	13	PASS

Band41	20MHz	16QAM	39750	100RB#0	6.17	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.49	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.20	13	PASS
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Band41	20MHz	16QAM	41490	100RB#0	6.11	13	PASS

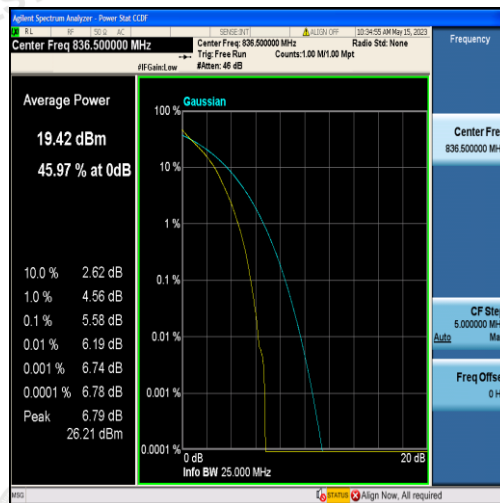
Test Graphs



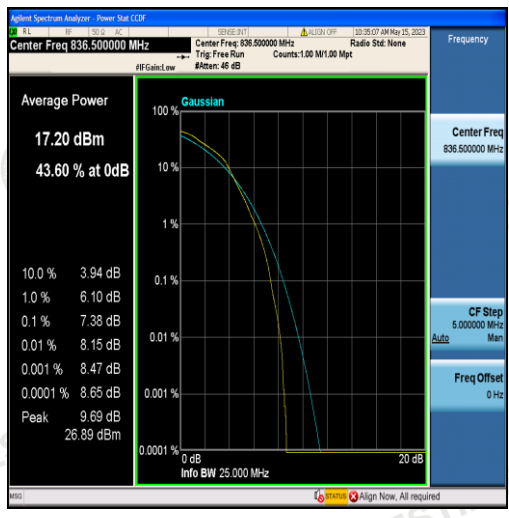
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Band5-1.4MHz-16QAM-20407-6RB#0



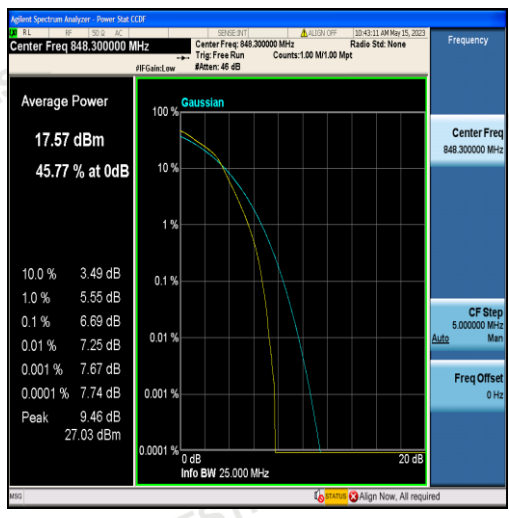
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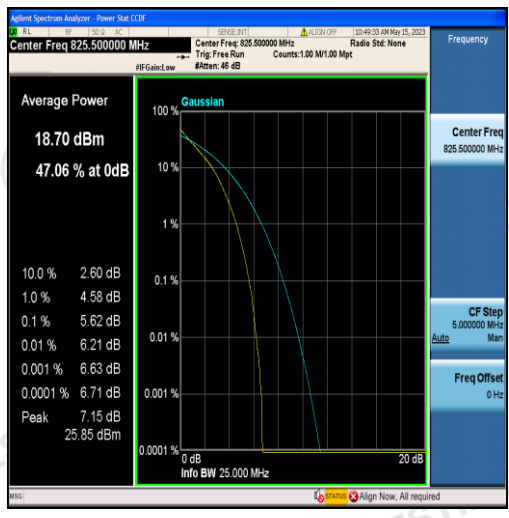
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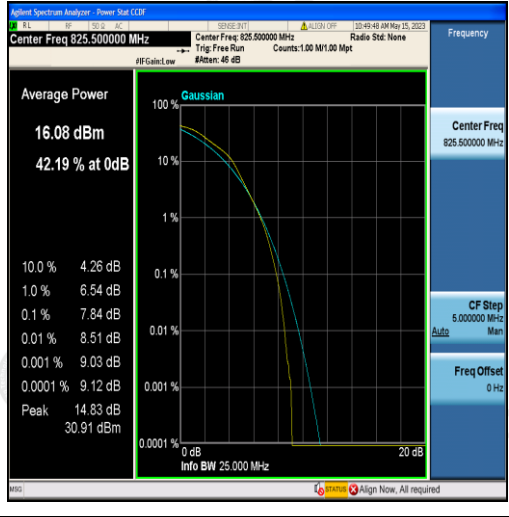
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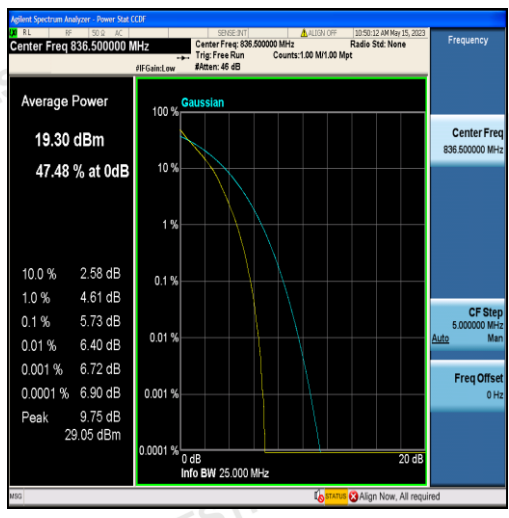
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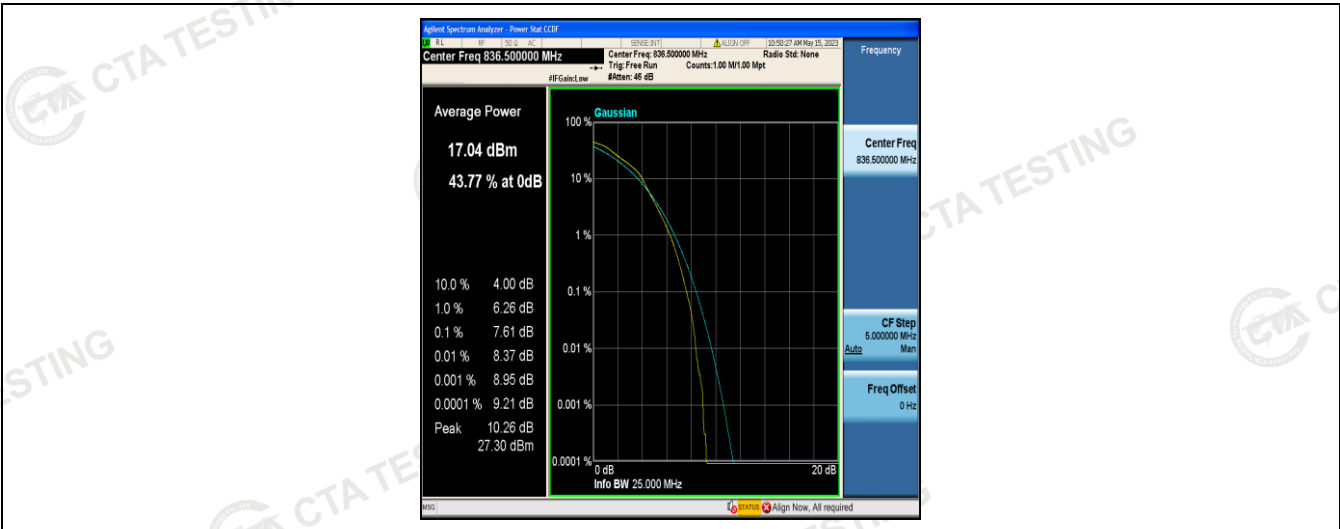
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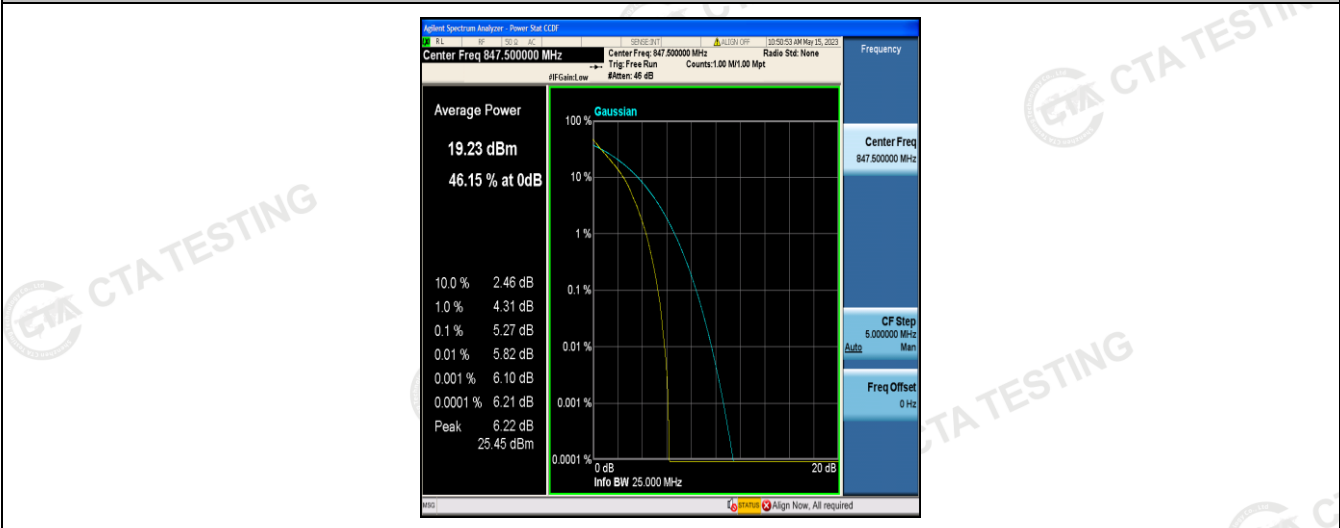
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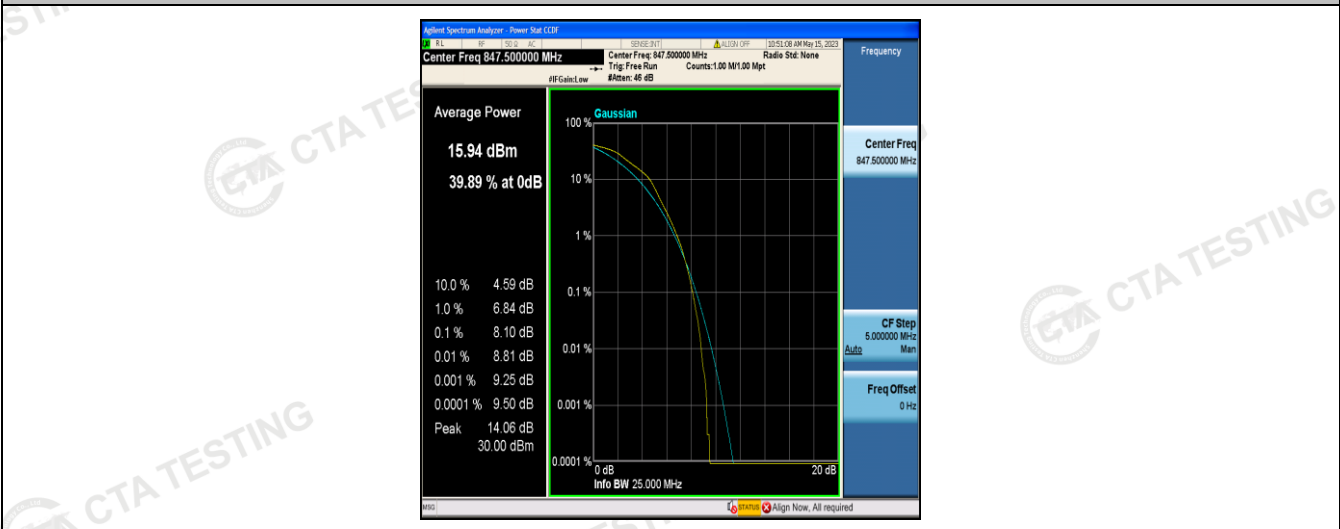
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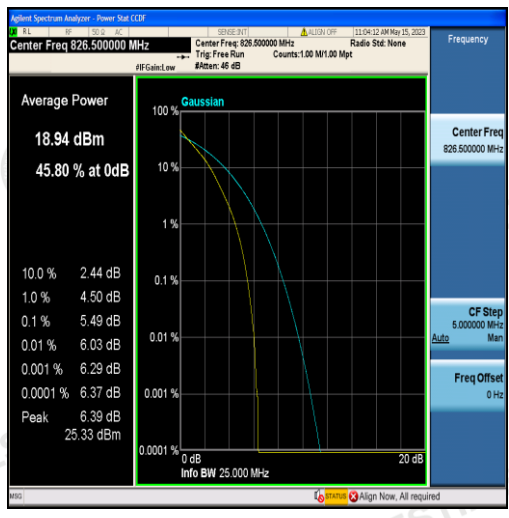
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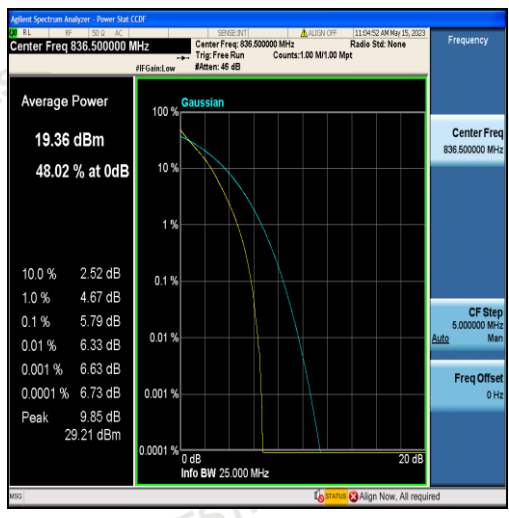
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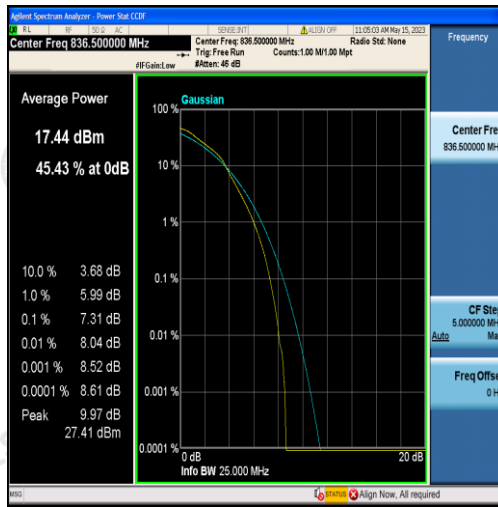
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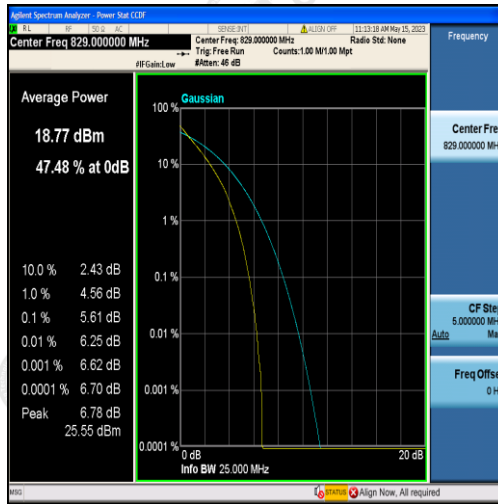
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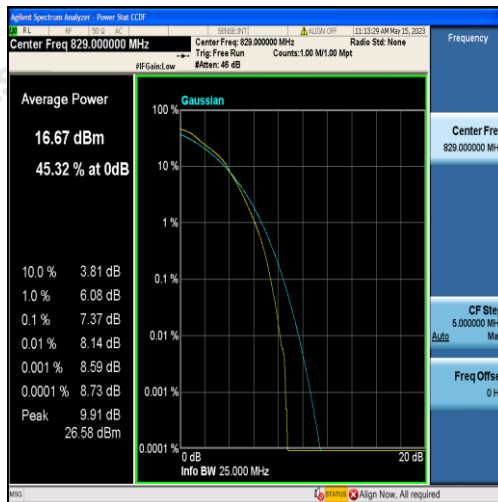
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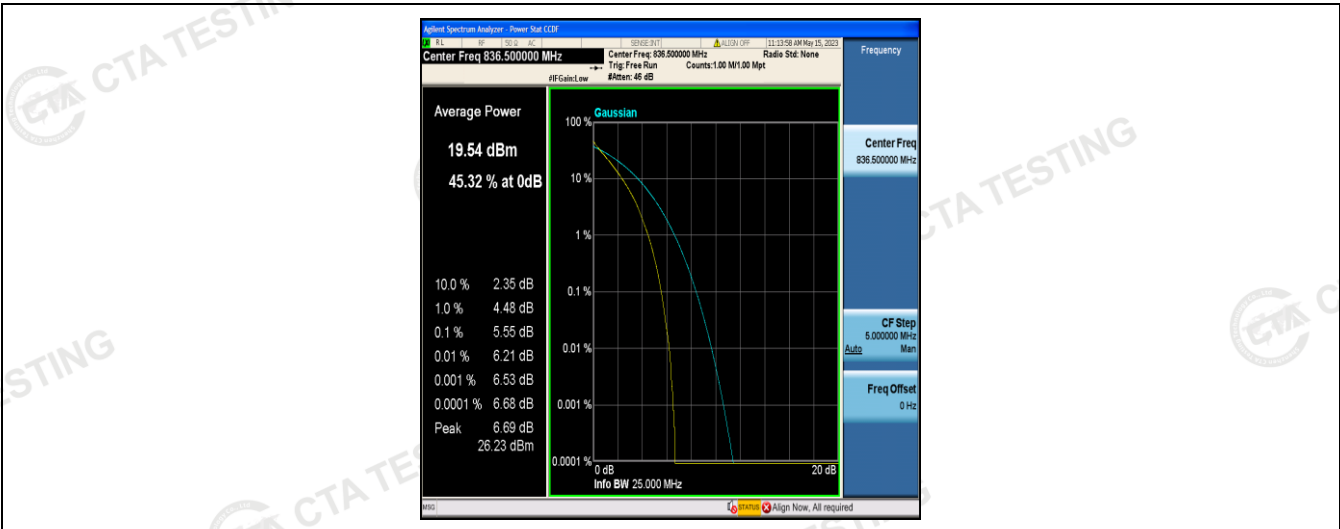
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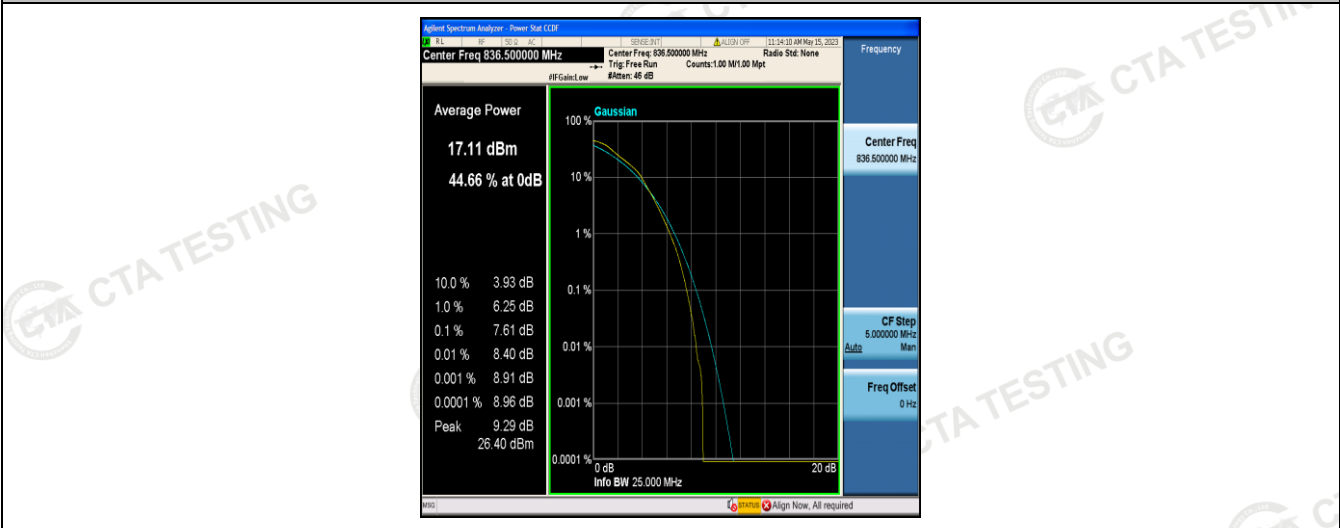
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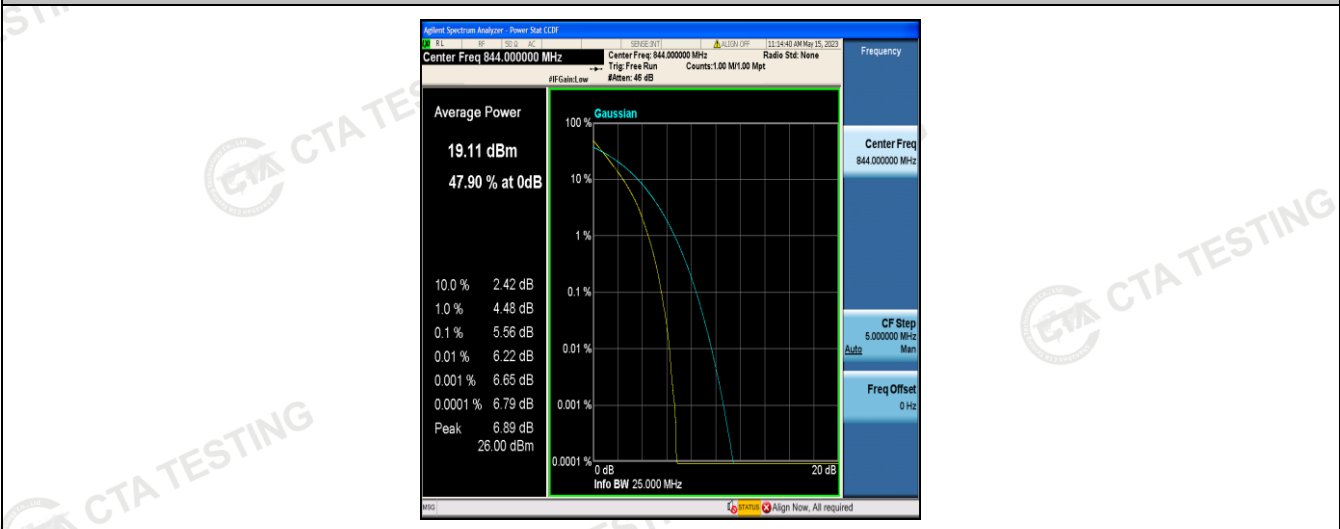
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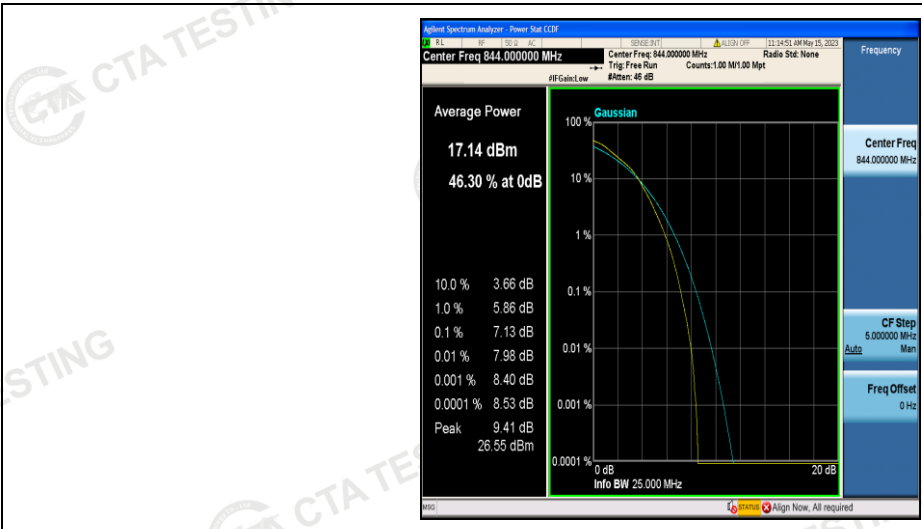
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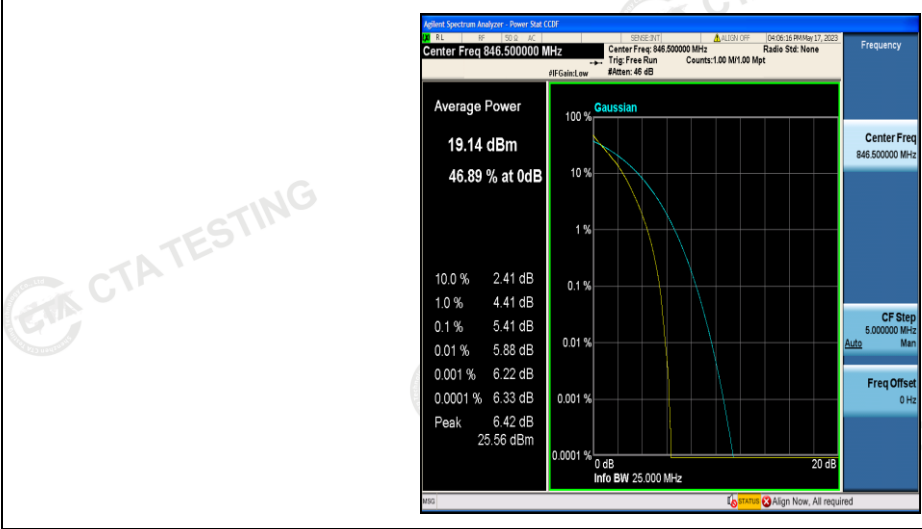
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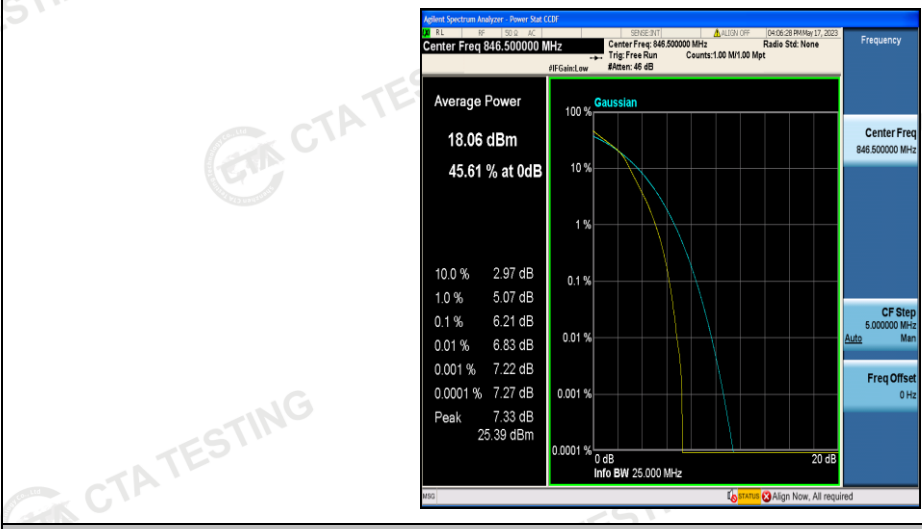
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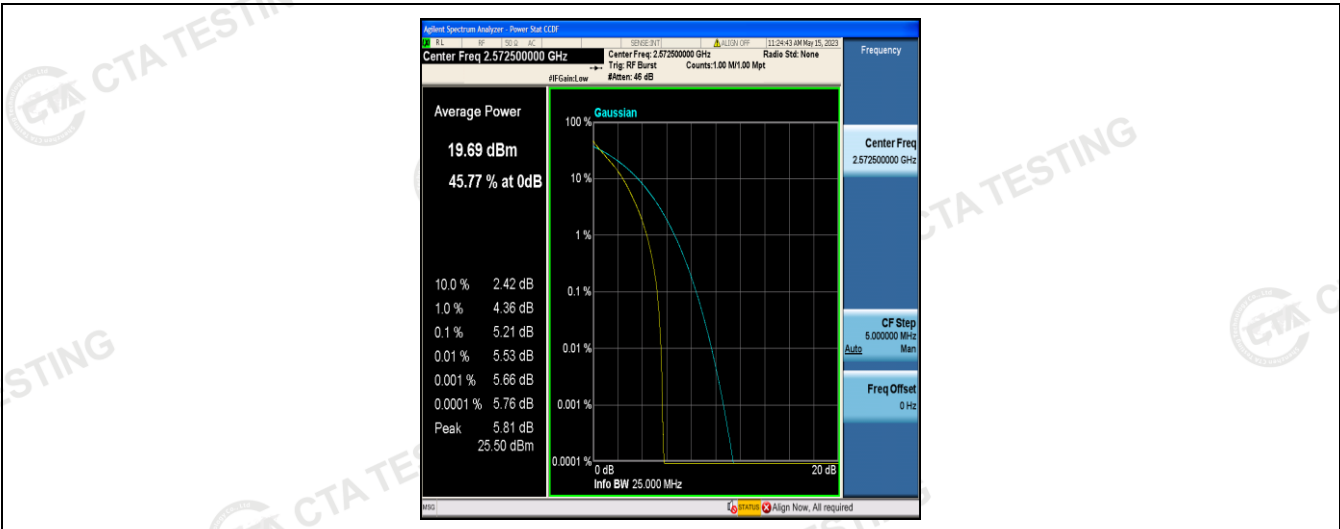
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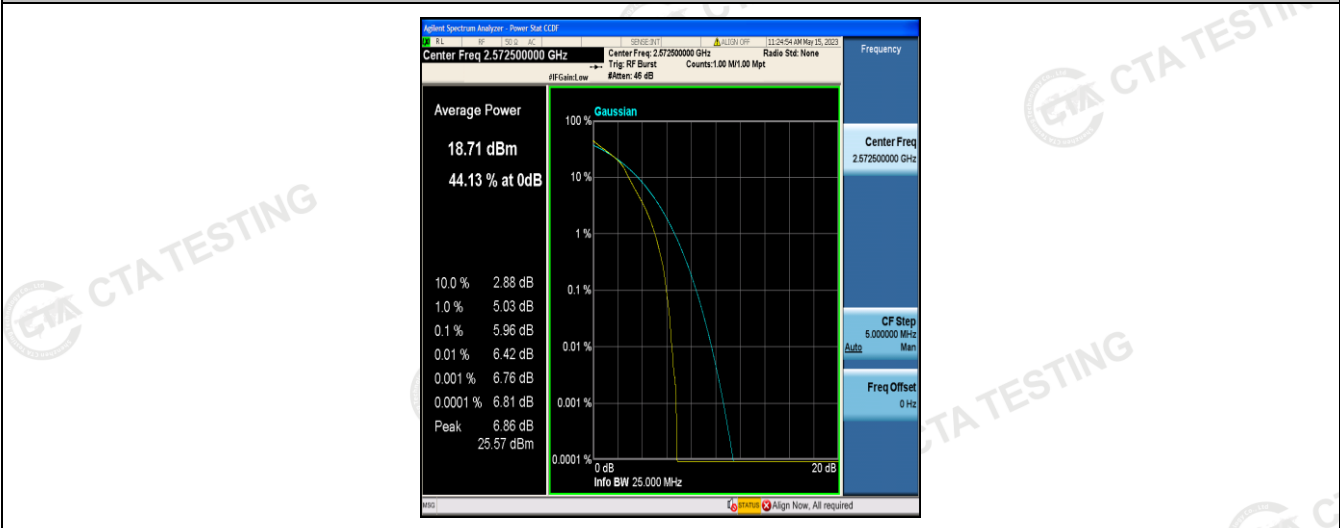
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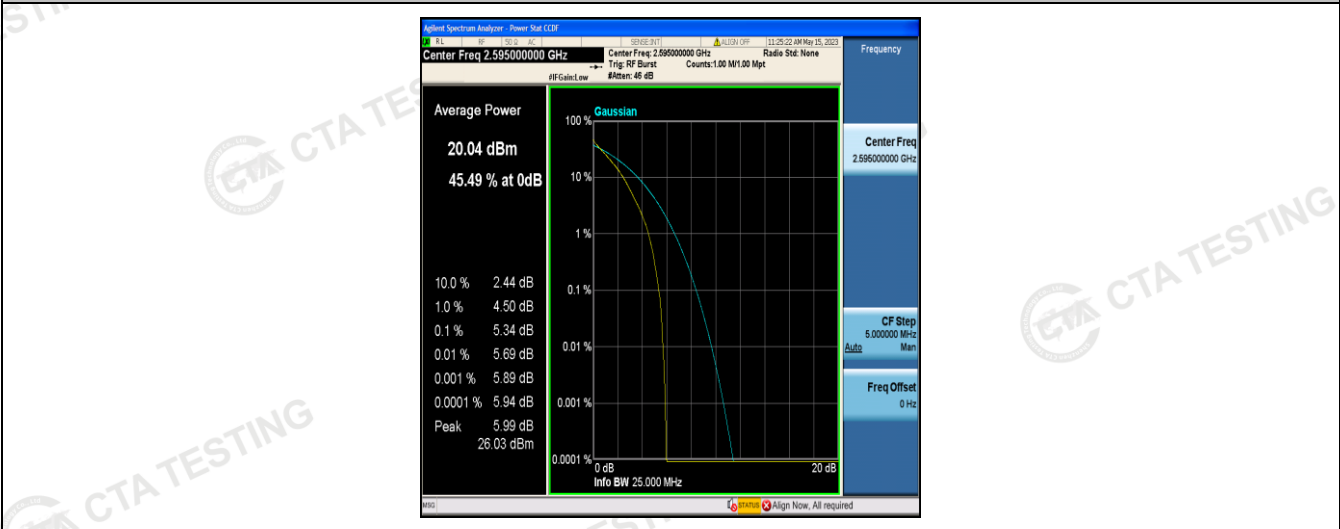
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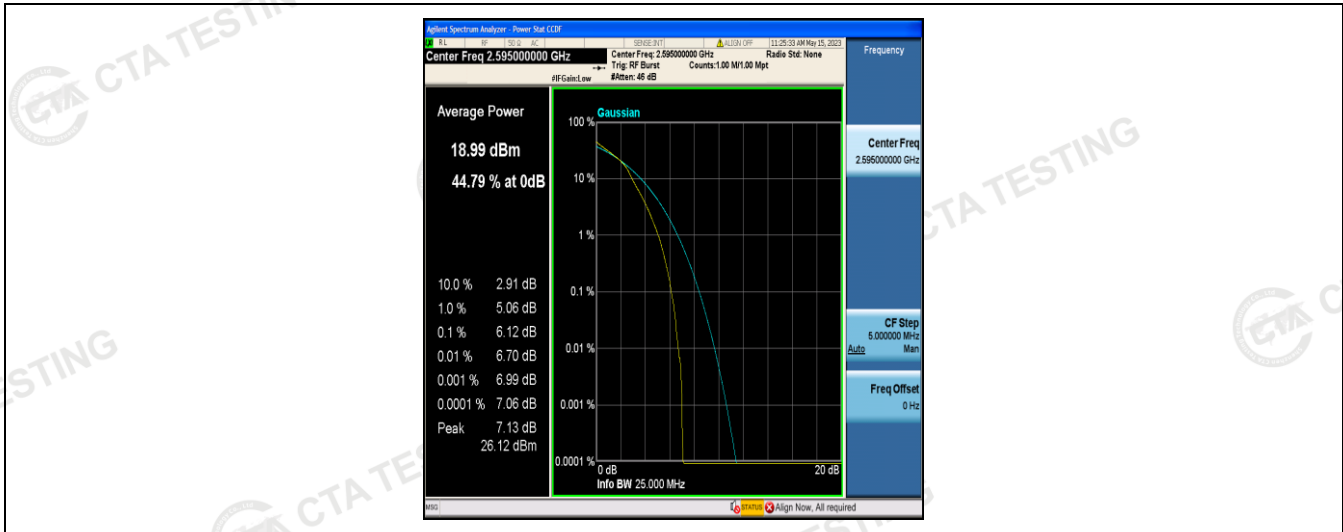
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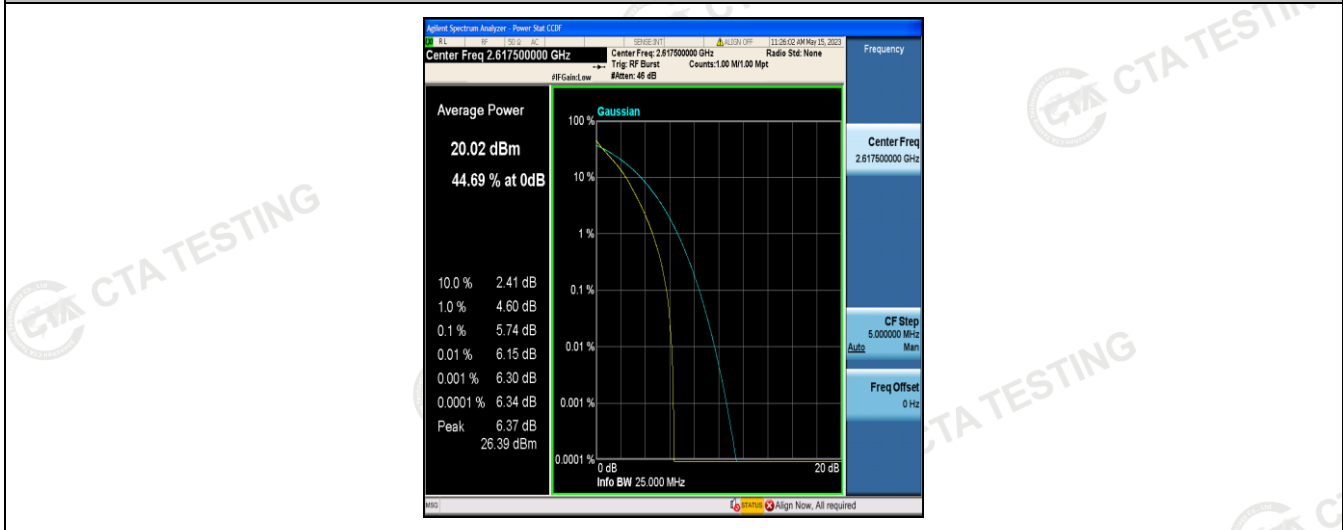
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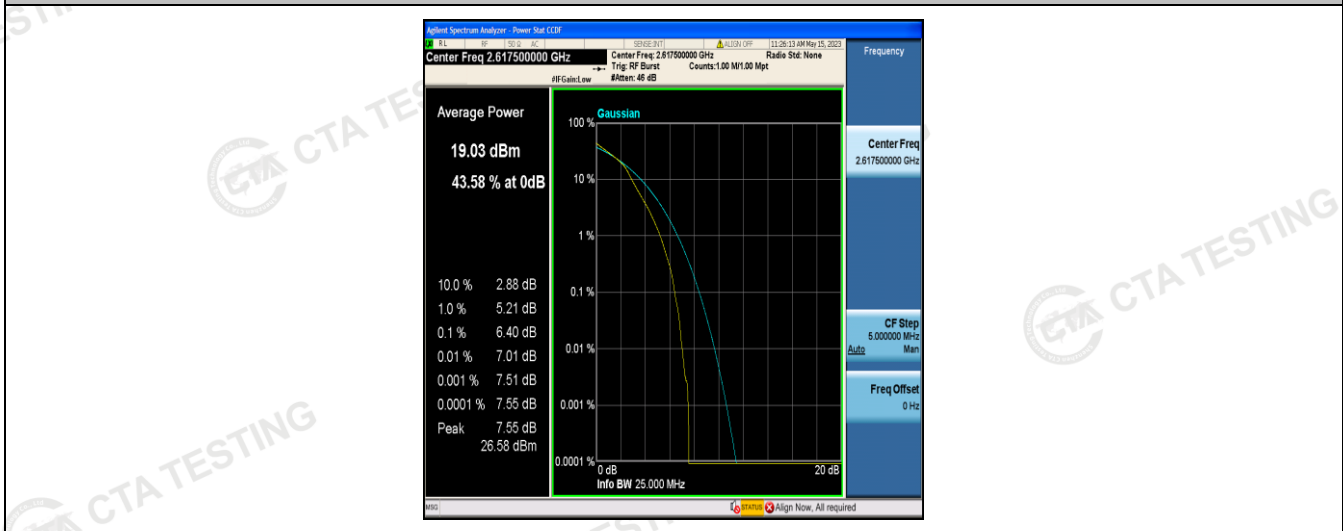
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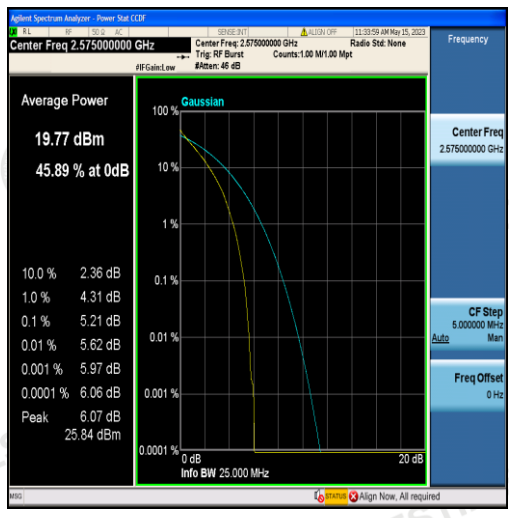
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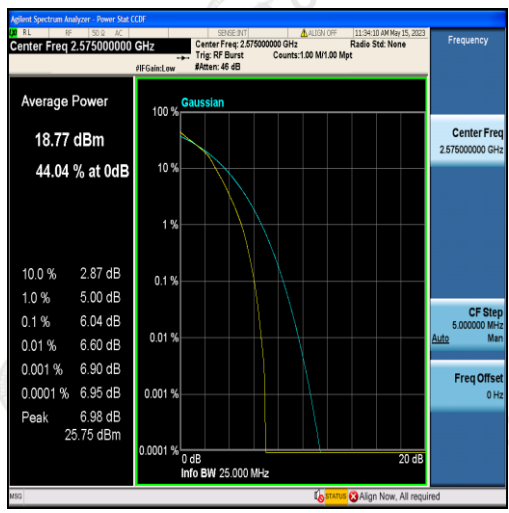
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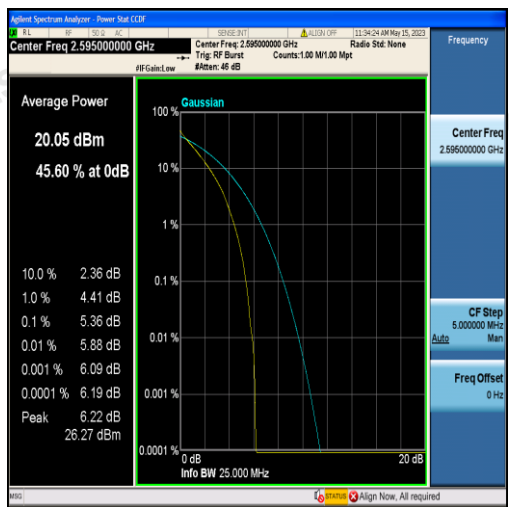
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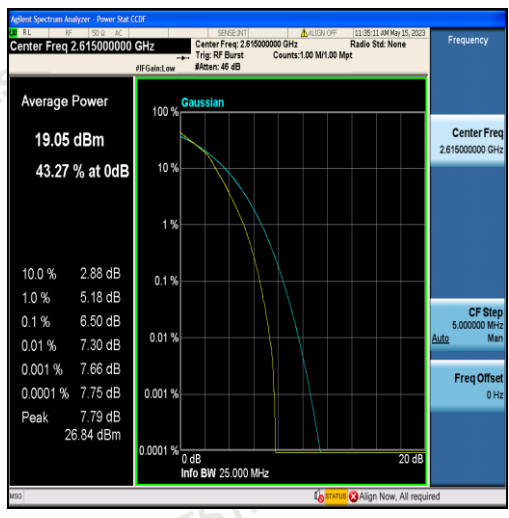
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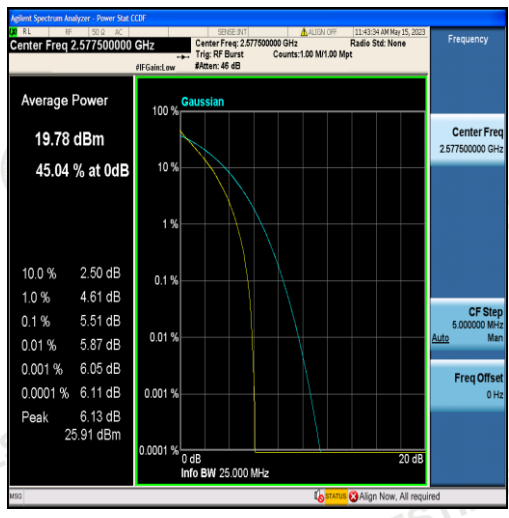
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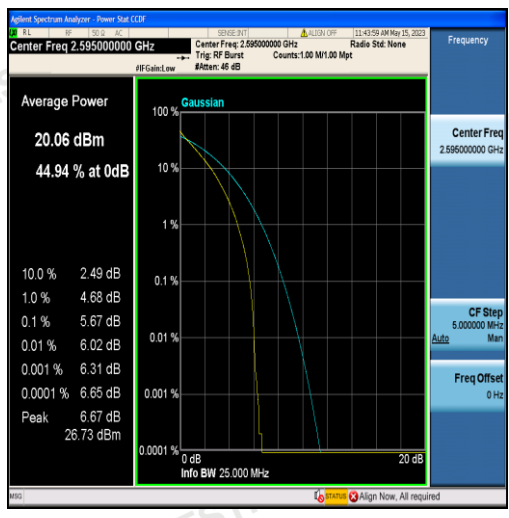
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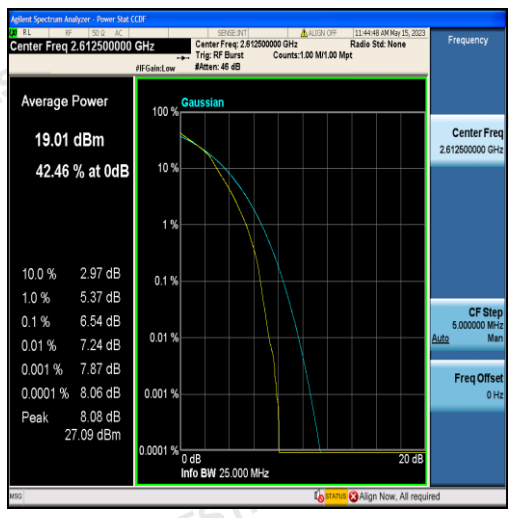
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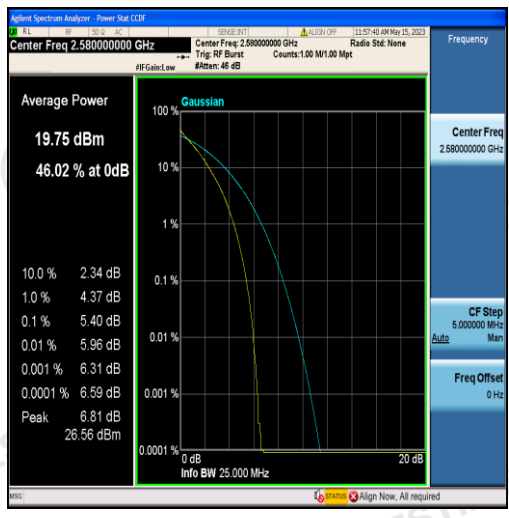
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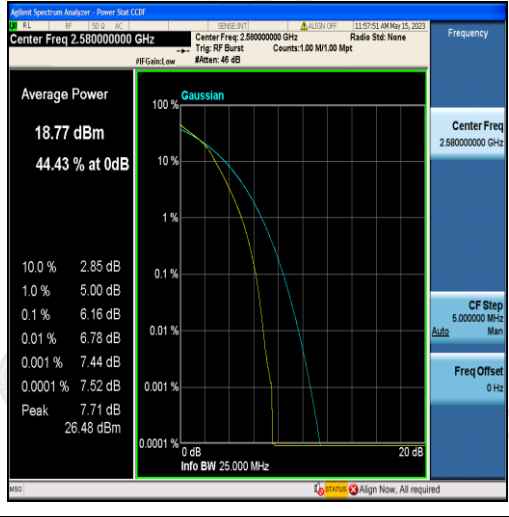
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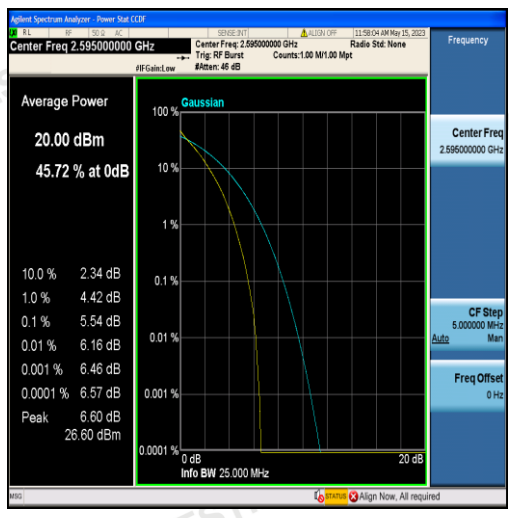
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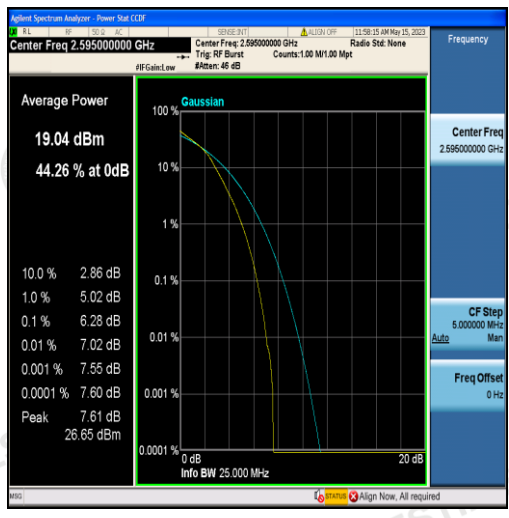
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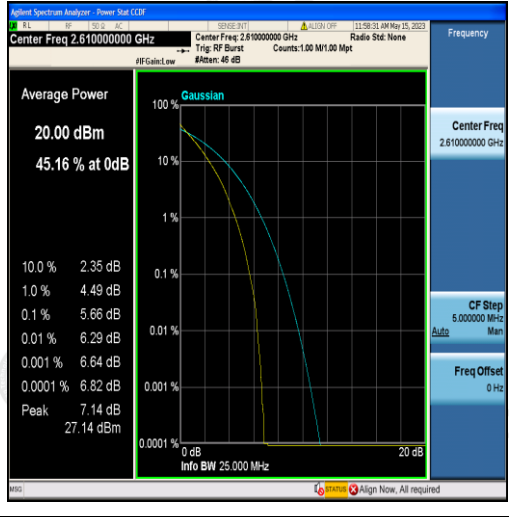
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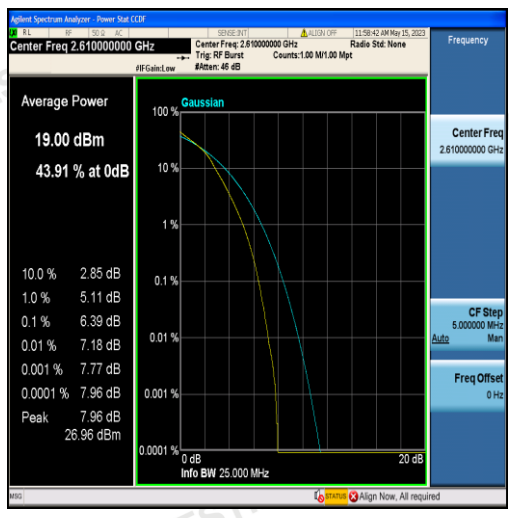
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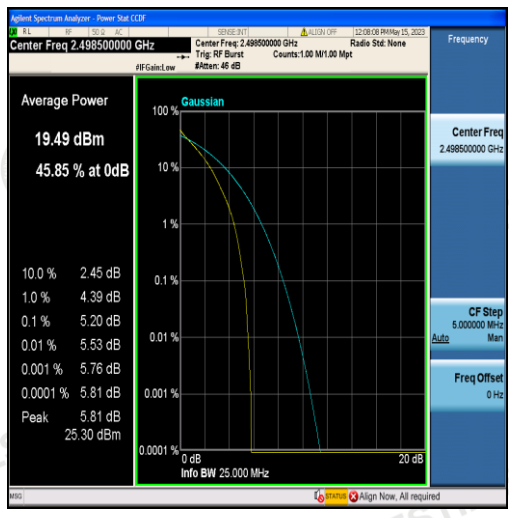
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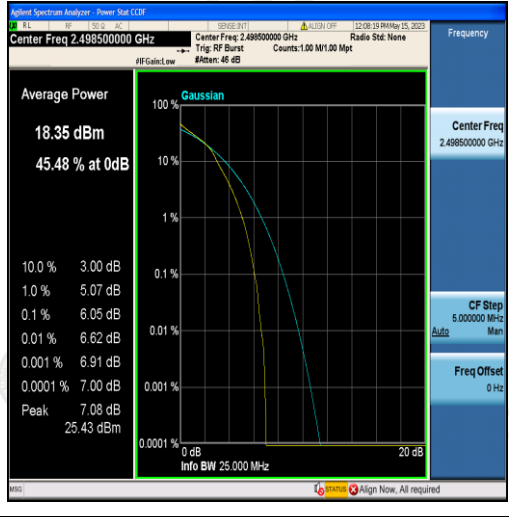
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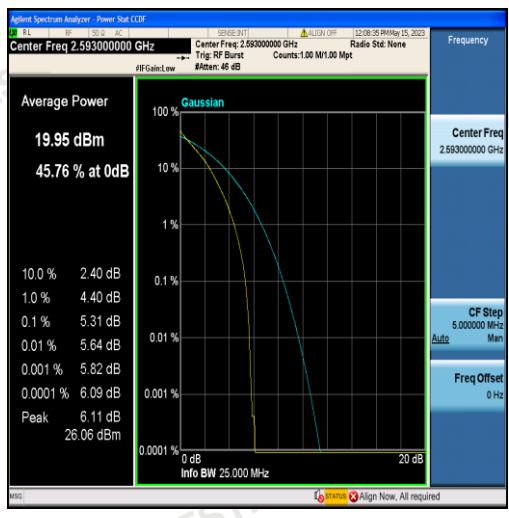
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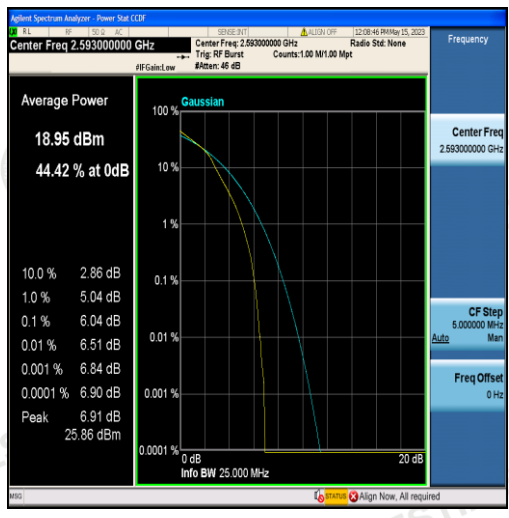
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Band41-5MHz-16QAM-39675-25RB#0



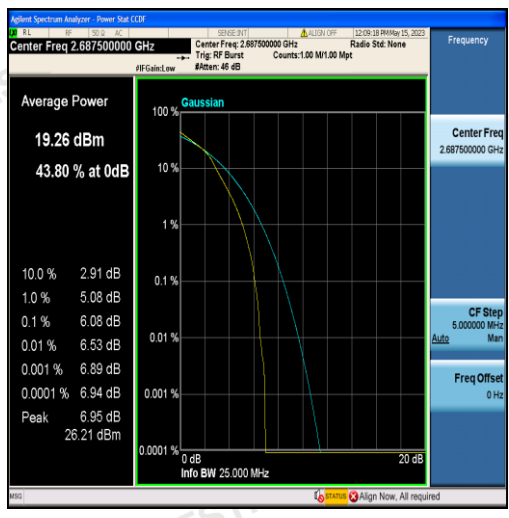
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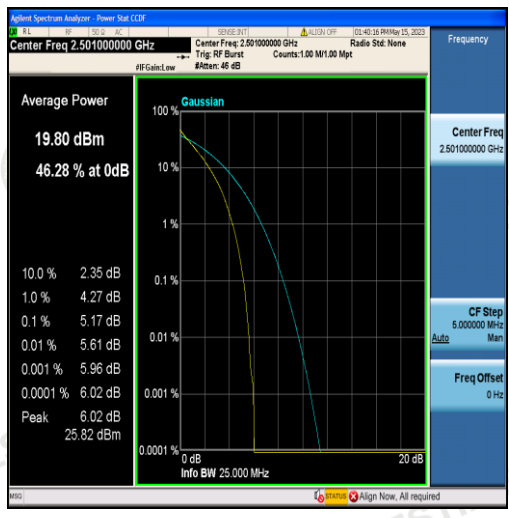
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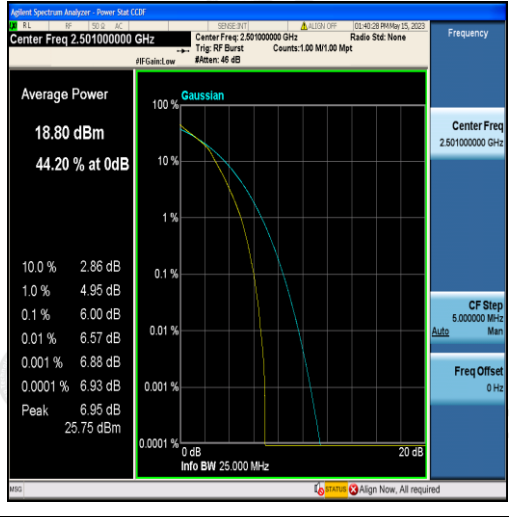
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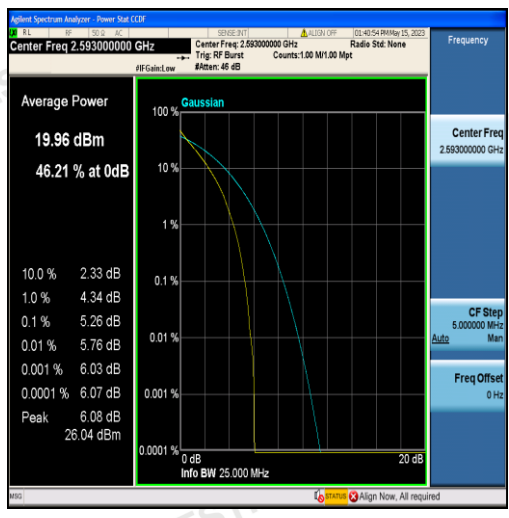
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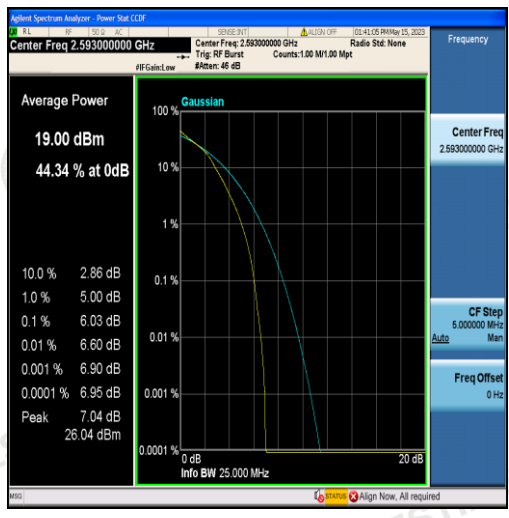
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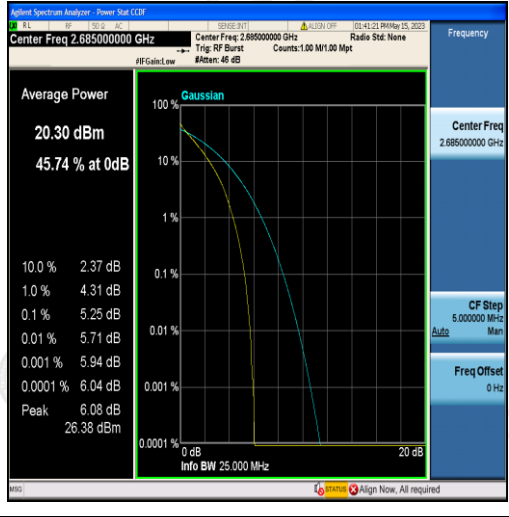
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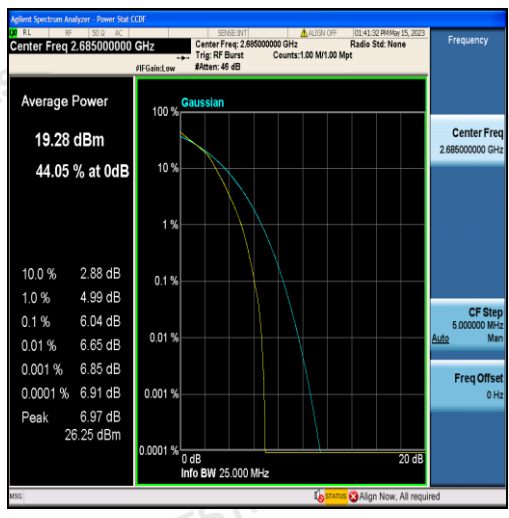
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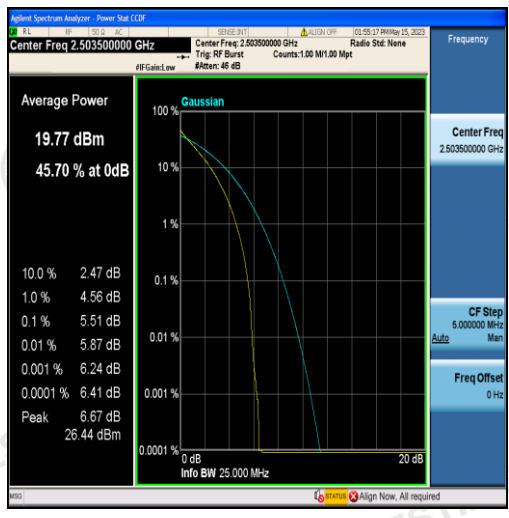
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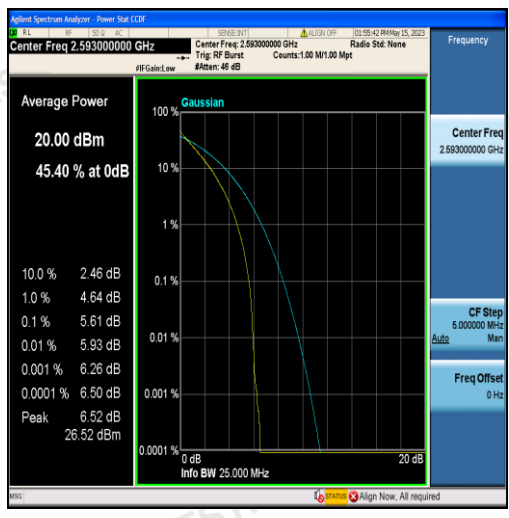
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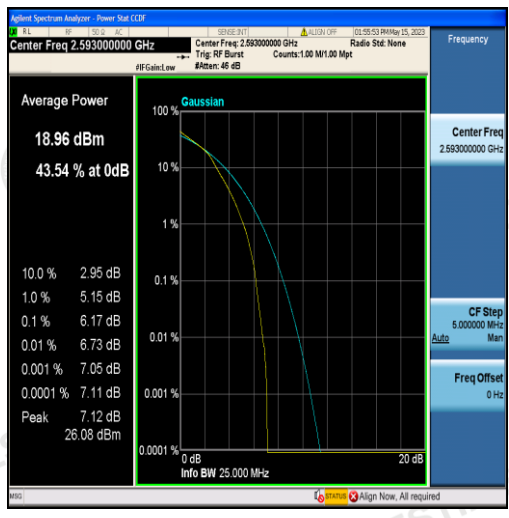
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Band41-15MHz-16QAM-39725-75RB#0



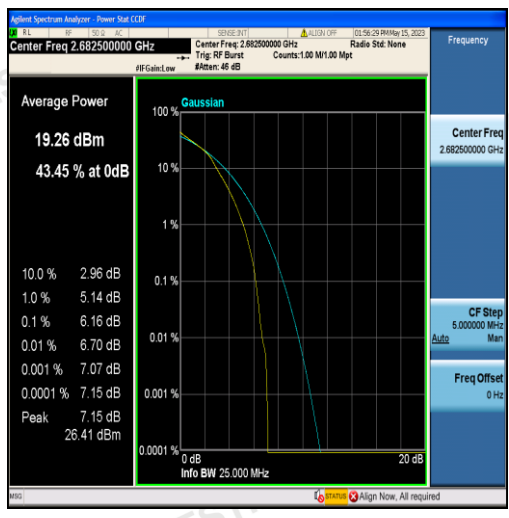
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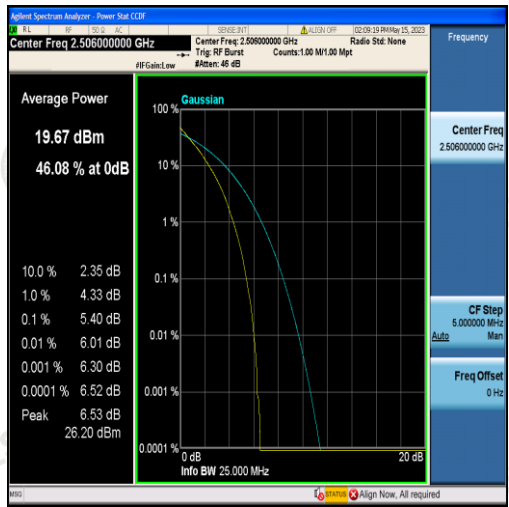
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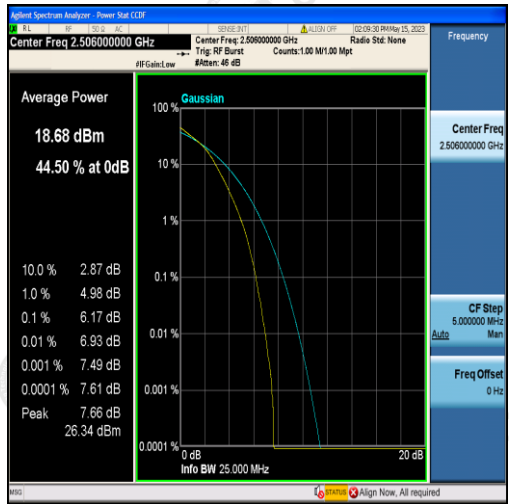
Band41-15MHz-QPSK-41515-75RB#0



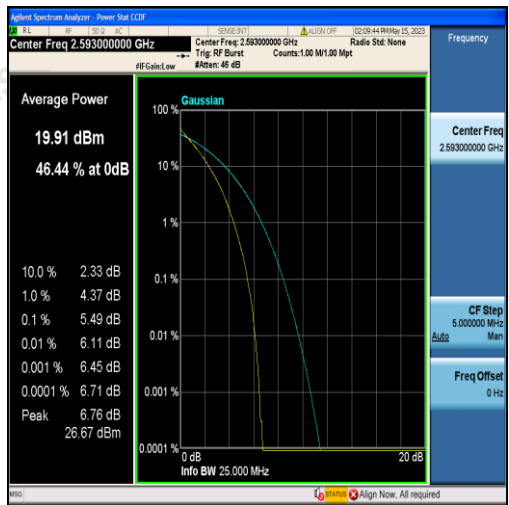
Band41-15MHz-16QAM-41515-75RB#0



Band41-20MHz-QPSK-39750-100RB#0



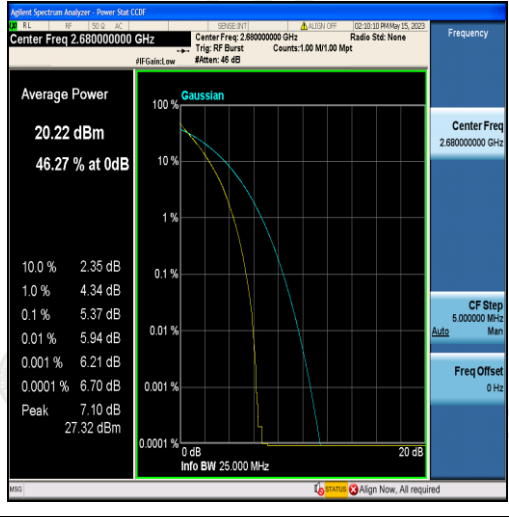
Band41-20MHz-16QAM-39750-100RB#0



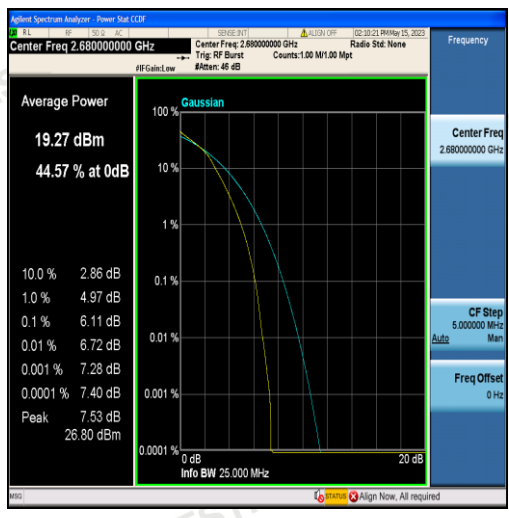
Band41-20MHz-QPSK-40620-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-41490-100RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

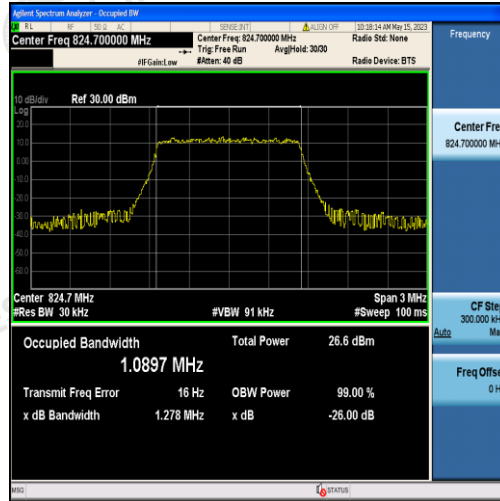
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0897	1.278	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0935	1.308	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0917	1.286	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0980	1.307	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0852	1.276	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0981	1.290	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6895	2.899	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6854	2.919	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6862	2.958	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6828	2.894	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6842	2.884	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6812	2.911	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5086	4.935	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4875	4.893	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4991	4.925	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4845	5.076	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4978	4.932	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4868	4.910	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9921	9.886	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9921	9.738	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9859	9.774	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9681	9.823	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9818	10.04	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9976	9.741	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.4917	5.025	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4907	5.182	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4950	5.074	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4942	5.004	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4884	4.942	PASS

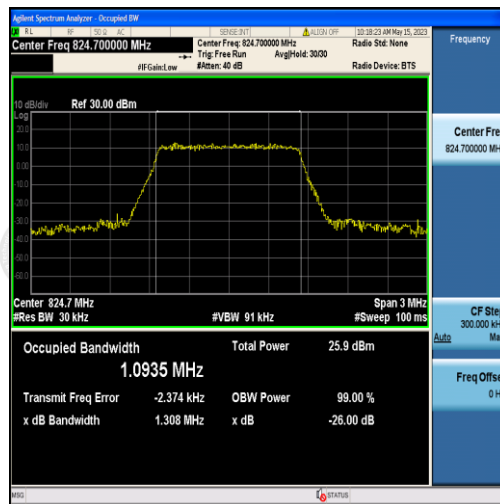
Band38	5MHz	16QAM	38225	25RB#0	4.4935	5.201	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9935	9.818	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9868	9.782	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9716	10.55	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9773	10.66	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9997	10.07	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9828	9.866	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.498	15.38	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.487	15.29	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.434	15.43	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.502	16.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.466	15.62	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.475	15.73	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.973	19.73	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.930	19.48	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.978	21.34	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.934	19.32	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.926	19.74	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.916	19.61	PASS
Band41	5MHz	QPSK	39675	25RB#0	4.4918	5.091	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4904	5.005	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4931	4.965	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4883	5.263	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4925	4.972	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4904	5.183	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9834	9.824	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9679	9.885	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9857	9.744	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0012	11.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9794	10.57	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0043	9.837	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.470	15.42	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.463	15.56	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.438	15.65	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.486	16.34	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.506	15.11	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.496	16.36	PASS

Band41	20MHz	QPSK	39750	100RB#0	17.949	19.60	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.910	21.52	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.001	19.84	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.910	19.30	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.920	19.84	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.948	20.13	PASS

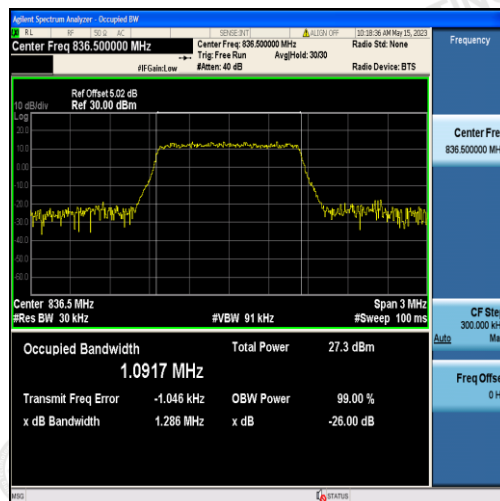
Test Graphs



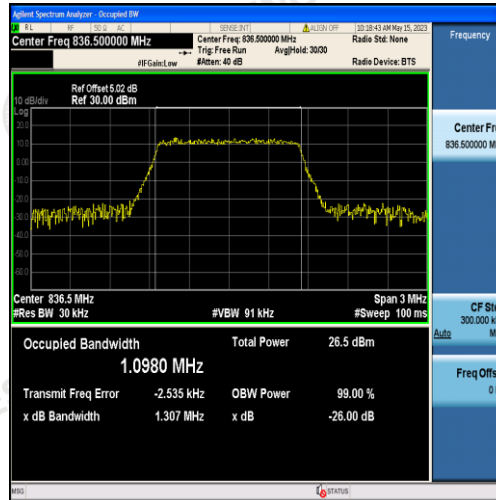
Band5-1.4MHz-QPSK-20407-6RB#0-1.0897



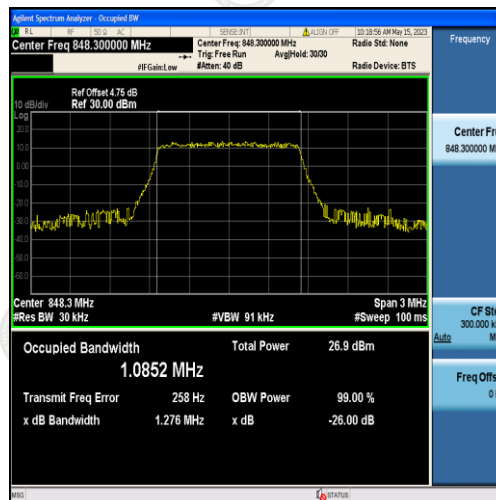
Band5-1.4MHz-16QAM-20407-6RB#0-1.0935



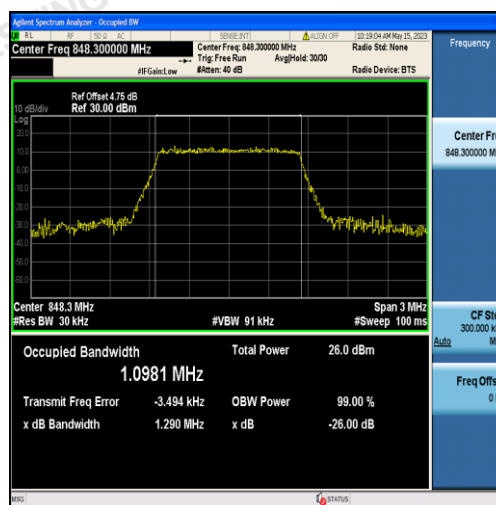
Band5-1.4MHz-QPSK-20525-6RB#0-1.0917



Band5-1.4MHz-16QAM-20525-6RB#0-1.0980



Band5-1.4MHz-QPSK-20643-6RB#0-1.0852



Band5-1.4MHz-16QAM-20643-6RB#0-1.0981